AUTODOC CLUB

How to change front strut mount on **Mercedes W201** – replacement guide

VIDEO TUTORIAL



Important!

This replacement procedure can be used for:
MERCEDES-BENZ 190 (W201) E 1.8 (201.018), MERCEDES-BENZ 190 (W201) 2.0 (201.023), MERCEDES-BENZ 190 (W201) E 2.0 (201.024), MERCEDES-BENZ 190 (W201) D 2.0 (201.122)

The steps may slightly vary depending on the car design.

REPLACEMENT: STRUT MOUNT – MERCEDES W201. TOOLS YOU NEED:



- Wire brush
- WD-40 spray
- All-purpose cleaning spray
- Ceramic grease
- Torque wrench
- Combination spanner #13
- Combination spanner #19
- Combination spanner #22
- Drive socket # 13
- Drive socket # 19
- Drive socket # 22
- Shock absorber socket # 19
- Shock absorber socket # 22
- HEX bit no.H6
- HEX bit no.H7
- Wheel impact socket #17
- Ratchet wrench
- Tap wrench
- Crow bar
- Strut spring compressor
- Hydraulic transmission jack
- Fender cover
- Wheel chock

BUY TOOLS

Replacement: strut mount – Mercedes W201. AUTODOC recommends:

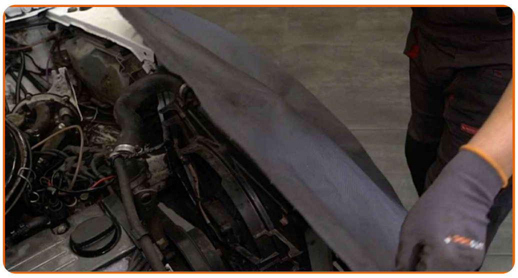
- The replacement procedure is identical for the mounts of the left and right shock struts of the front suspension.
- All mounts of the front shock struts should be replaced simultaneously.
- All work should be done with the engine stopped.

REPLACEMENT: STRUT MOUNT – MERCEDES W201. TAKE THE FOLLOWING STEPS:

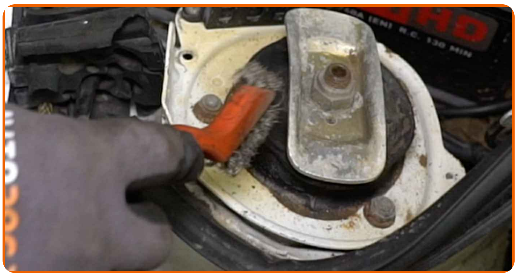
1 Open the bonnet.



2 Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.



3 Clean the fasteners of the shock strut upper mount. Use a wire brush. Use WD-40 spray.



4 Clean the fastener of the suspension strut piston rod. Use a wire brush. Use WD-40 spray.



5 Loosen the fastener of the strut piston rod. Use a special drive socket to remove the shock absorber # 22. Use HEX No.H7. Use a ratchet wrench.



AUTODOC recommends:

- Don't unscrew it completely.

6 Loosen the fasteners of the upper strut mount. Use a drive socket #13. Use a ratchet wrench.

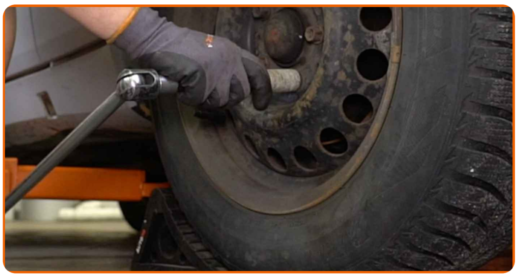


Replacement: strut mount – Mercedes W201. Professionals recommend:

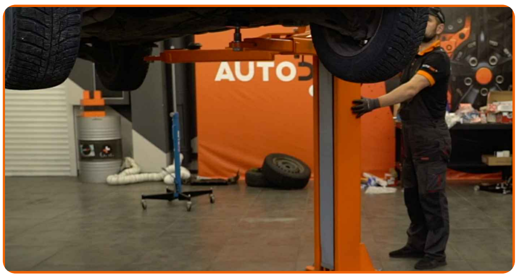
- Don't unscrew it completely.

7 Secure the wheels with chocks.

8 Loosen the wheel bolts. Use wheel impact socket #17. Use a tap wrench.



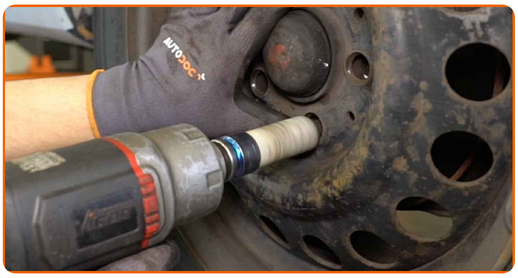
9 Raise the car.



AUTODOC recommends:

- If you are using a jack, make sure it rests on a flat surface without any unevenness.
- Be sure to additionally secure the car with jack stands.

10 Unscrew the wheel bolts.



AUTODOC recommends:

- Important! Hold the wheel while unscrewing the fastening bolts. Mercedes W201

11 Remove the wheel.



12 Support the steering knuckle. Use a hydraulic transmission jack.

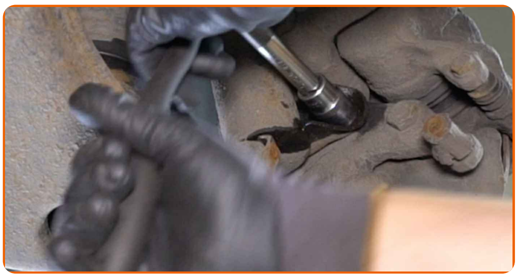


13 Disconnect the wiring from the strut.

14 Clean the fasteners connecting the shock strut to the steering knuckle. Use a wire brush. Use WD-40 spray.

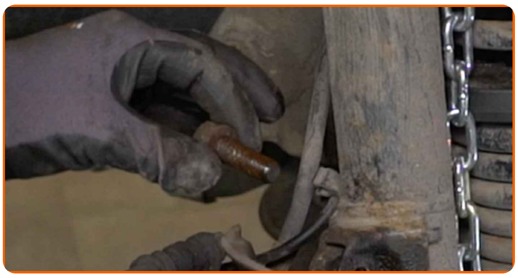


15 Unscrew the lower suspension strut fasteners. Use a combination spanner #19. Use a drive socket #19. Use a ratchet wrench.



16 Unscrew the fastener of the suspension strut piston rod.

17 Remove the fastening bolts.



18 Detach the strut from the steering knuckle. Use a crowbar.



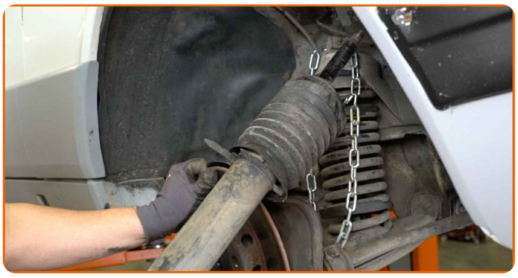
19 Lower the hydraulic transmission jack by 10-15 cm.



AUTODOC recommends:

- Lower the hydraulic transmission jack smoothly, without jerks, to avoid damaging assemblies and mechanisms.

20 Remove the suspension strut.



Replacement: strut mount – Mercedes W201. Tip from AUTODOC:

- Do not allow the steering knuckle to hang on the brake hose or wiring harness.

21 Unscrew the fasteners of the upper strut mount.



22 Remove the strut mount.



23 Clean the mounting seat of the suspension strut mount. Use a wire brush. Use all-purpose cleaning spray.



24 Clean the mounting seats of the shock strut. Use a wire brush. Use all-purpose cleaning spray.



25 Install a new strut mount.



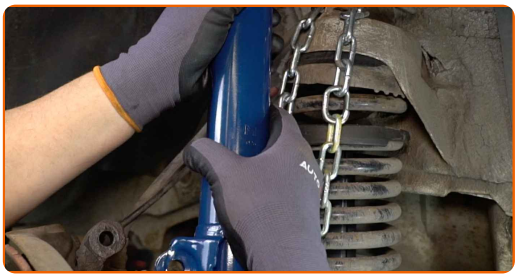
26 Screw on the fasteners of the upper strut mount.



27 Install the dust boot and the bump stop.



28 Install the shock absorber.



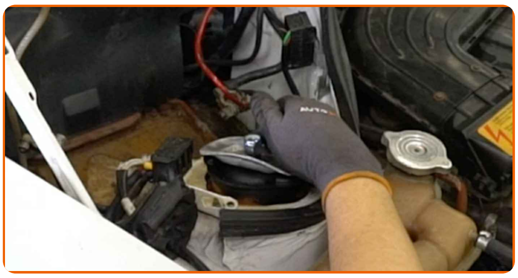
29 Install the fastening bolts.



30 Secure the wiring to the strut.



31 Screw on the fastener of the strut piston rod.



32 Tighten the lower fasteners connecting the shock strut to the steering knuckle. Use a combination spanner #19. Use a drive socket #19. Use a torque wrench. Tighten it to 110 Nm torque.



33 Clean the wheel rim mounting seat. Use a wire brush. Use all-purpose cleaning spray.



34 Treat the surface where the brake disc contacts the wheel rim. Use ceramic grease.



35 Install the wheel.



AUTODOC recommends:

- To avoid injury, hold up the wheel when screwing in the fastening bolts.

36 Screw in the wheel bolts. Use wheel impact socket #17. Use a ratchet wrench.



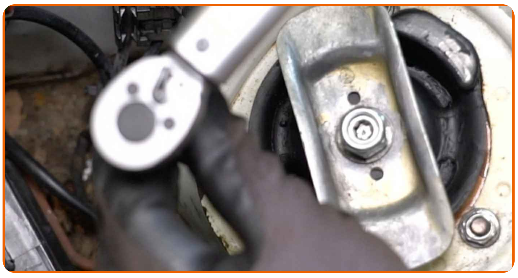
37 Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 110 Nm torque.



38 Remove the jacks and chocks.



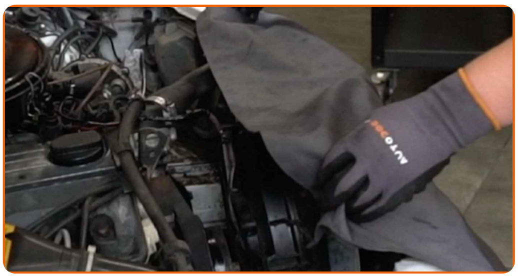
39 Tighten the fasteners of the upper strut mount. Use a drive socket #13. Use a torque wrench. Tighten it to 20 Nm torque.



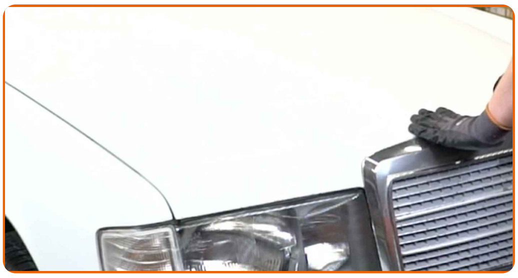
40 Tighten the fastener of the suspension strut piston rod. Use a special drive socket to remove the shock absorber # 19. Use HEX No.H6. Use a torque wrench. Tighten it to 60 Nm torque.



41 Remove the fender protection cover.



42 Close the bonnet.

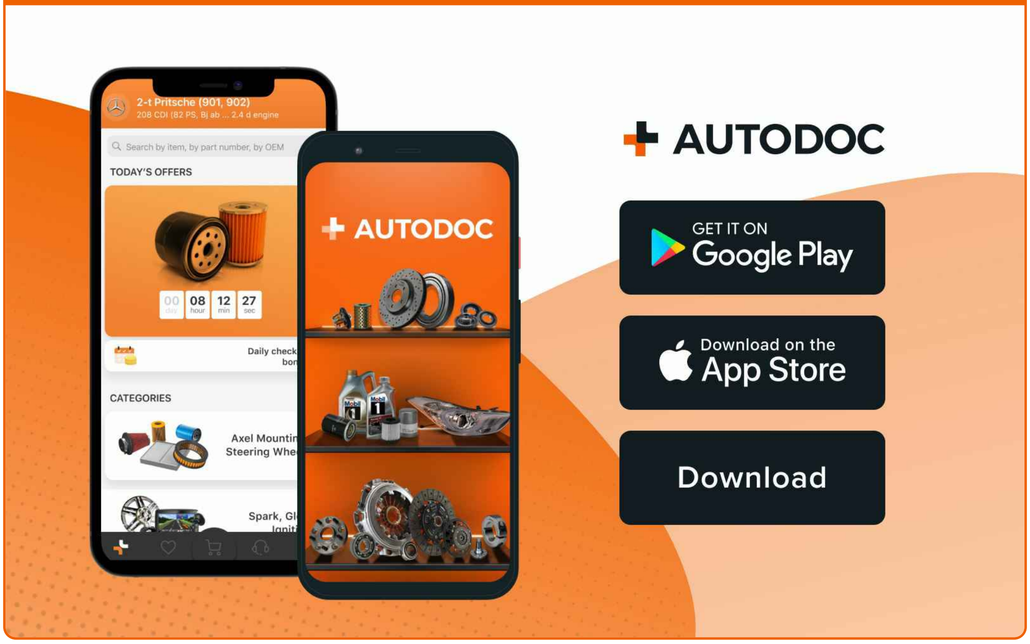


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